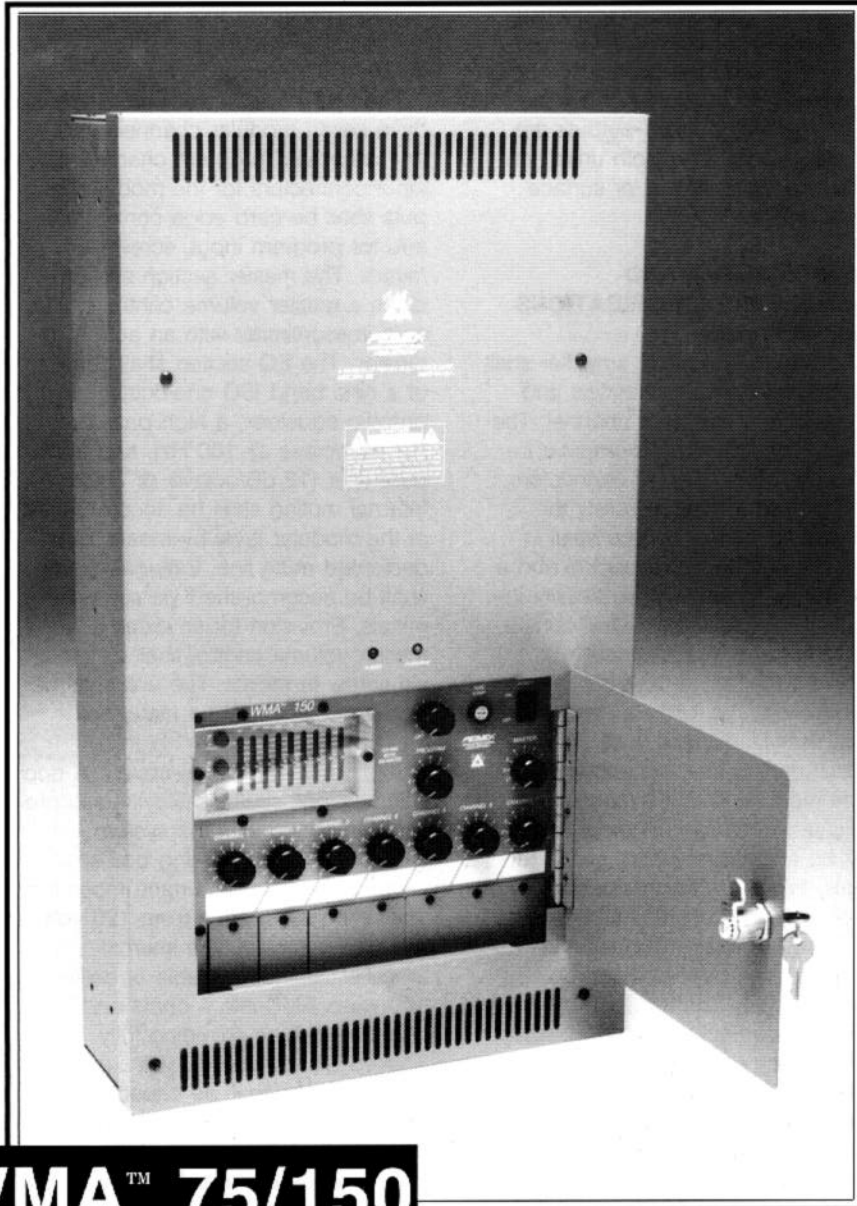


SPECIFICATIONS



WMA™ 75/150 Wall Mount 8 Channel Mixer Power Amplifier

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TYPE:

Wall mounting 8-channel mixer power amplifier

OUTPUT POWER:

75 watts RMS (WMA™ 75)
150 watts RMS (WMA™ 150)

POWER BANDWIDTH:

20 Hz to 20 kHz, <0.5% THD (Direct)
50 Hz to 20 kHz, <0.5% THD
(Transformer)

FREQUENCY RESPONSE:

20 Hz to 20 kHz ± 1 dB (Direct)
20 Hz to 20 kHz ± 3 dB (Transformer)

TOTAL HARMONIC DISTORTION:

0.05% at 1 kHz rated power

SIGNAL TO NOISE RATIO:

Master volume minimum: 95 dB
Master volume maximum: 77 dB

INPUTS:

Seven input ports, one dedicated program input, one bridge input/output

INPUT SENSITIVITY:

Ports 1-7 and program input:
100 mV @ 10 kilohms
Bridge input/output:
100 mV @ 3.3 kilohms

OUTPUTS:

Direct output (unbalanced): 4 ohms
Transformer outputs (balanced):
8 ohms, 25 volts, 70 volts,
1 V RMS @ 600 ohms

OUTPUT REGULATION: (1 kHz)

<0.5 dB (Direct)
<1.0 dB (Transformer)

EQUALIZATION:

9-band ISO one octave graphic equalizer

Center frequencies:
63, 125, 250, 500, 1K, 2K, 4K, 8K,
16 kHz
Equalizer range: ± 12 dB/octave

FILTERS:

High pass: 180 Hz, 12 dB/octave
Low pass: 7 kHz, 12 dB/octave

CONTROLS:

8 input gain controls, 1 master gain control, 1 power switch, 1 EQ defeat switch, 1 HP filter switch, 1 LP filter switch, 9 EQ controls, 1 compression control

INDICATORS:

1 power LED (red)
1 overload/compression LED (yellow)

PROTECTION:

Internal current limiting, built-in SPS™, output relays, 1 line fuse (external), 2 internal fuses

CONNECTORS:

Bridge input/output, Program in, Mute, external volume control: screw terminals
Ports 1-7: card edge connectors
Outputs: screw terminals
AC Power: SJT, 3 conductor

POWER CONSUMPTION:

AC 120 volts, 60 Hz, 200 watts (WMA 75), 400 watts (WMA 150)

DIMENSIONS IN INCHES:

(width x height x depth)
14¹³/₃₂" x 25¹³/₃₂" x 4⁷/₈"

COLOR:

Gray

PEAVEY®
ARCHITECTURAL ACOUSTICS®

STANDARD ACCESSORIES:

Module bay covers

OTHER FEATURES:

Output disconnected for 4 seconds after power turned on.

Muting accomplished either externally or with optional modules.

FEATURES:

- 75 W RMS (WMA 75)
- 150 W RMS (WMA 150)
- 8-channel mixer/power amplifier system
- 20 Hz - 20 kHz frequency response
- Bridging input/output
- Short circuit and thermal protection
- SPS™ protection circuitry
- Provisions for an external volume control
- Plug-in module capability
- Output impedance variations: 4 ohm, 8 ohm, 25 V, and 70 V
- 600 ohm transformer balanced output
- Built-in 9-band one octave equalizer
- Built-in compressor
- Flush or surface mounting
- LED pilot light
- Overdrive LED indication

DESCRIPTION

The Architectural Acoustics WMA™ 75 or 150 wall mount amplifier provides unmatched application flexibility with an array of optional plug-in modules, allowing the system to be tailor-made for specialized installations.

The program input includes its own level control and is totally separate from the other seven channels. External signals may be patched in at this point as a system auxiliary input or the eighth channel. Signals appearing at this input are routed directly to the master summing amplifier stage and are mixed with signals from the other seven channels. Systems requiring a single input may use the program input (the purchase of an input module is not necessary). The program level control regulates the level of this input and the signal is routed through the system EQ controls.

The power section includes built-in SPS protection, which allows these units to produce full power capability without audible power amp clipping. The overdrive LED indicates SPS is active. A broad load impedance range is provided and twenty-five and seventy volt line fully isolated outputs are standard equipment. Both units are packaged as an in-wall or surface mount unit.

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS WMA 75

The wall mount mixer amplifier shall have seven modular channels and one dedicated program channel. The input connectors for the modular inputs shall be card edge connectors and for program input, screw terminals. The master section shall include a master volume control and a compressor/limiter with an activity indicator. The EQ section shall consist of a nine band ISO one-octave graphic equalizer, a high pass filter (12 dB/octave @ 180 Hz), and a low pass filter (12 dB/octave @ 7000 Hz). Internal muting shall be accomplished at the modular level by means of a dedicated mute line. External muting shall be accomplished via screw terminals. Provision for an external master volume control shall be made via screw terminals. The unit shall be packaged in a rugged metal box 14.40" wide by 25.40" high by 4.861" deep (including cover). A door with key-lock shall be provided to prevent tampering with the system calibration. The mounting box shall allow either flush or surface mounting. The unit shall operate from 120 volts AC, 60 Hz power. The internal amplifier shall be capable of delivering 75 watts RMS into 4 ohms and 8 ohms as well as providing fully isolated 25 volt and 70 volt line outputs. The unit shall be capable of delivering rated power from 20 Hz to 20 kHz ± 1 dB into 4 ohms at its direct output at less than 0.5% distortion with system hum and noise at least 77 dB below rated output. The unit shall be a Peavey Architectural Acoustics Division model WMA 75.

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WMA 150

The wall mount mixer amplifier shall have seven modular channels and one dedicated program channel. The input connectors for the modular inputs shall be card edge connectors and for program input, screw terminals. The master section shall include a master volume control and a compressor/limiter with an activity indicator. The EQ section shall consist of a nine band ISO one-octave graphic equalizer, a high pass filter (12 dB/octave @ 180 Hz), and a low pass filter (12 dB/octave @ 7000 Hz). Internal muting shall be accomplished at the modular level by means of a dedicated mute line. External muting shall be accomplished via screw terminals. Provision for an external master volume control shall be made via screw terminals. The unit shall be packaged in a rugged metal box 14.40" wide by 25.40" high by 4.861" deep (including cover). A door with key-lock shall be provided to prevent tampering with the system calibration. The mounting box shall allow either flush or surface mounting. The unit shall operate from 120 volts AC, 60 Hz power. The internal amplifier shall be capable of delivering 150 watts RMS into 4 ohms and 8 ohms as well as providing fully isolated 25 volt and 70 volt line outputs. The unit shall be capable of delivering rated power from 20 Hz to 20 kHz ± 1 dB into 4 ohms at its direct output at less than 0.5% distortion with system hum and noise at least 77 dB below rated output. The unit shall be a Peavey Architectural Acoustics Division model WMA 150.



Features and specifications subject to change without notice.

A Division of Peavey Electronics Corporation

711 A Street, P. O. Box 2898, Meridian, MS 39302-2898 / (601) 483-5376 / Telex 504115 / Fax (601) 484-4278